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03-28-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

TAKESHITA et al.

Application No.: 09/978,058

Filed: October 17, 2001

For: PLL CIRCUIT AND OPTICAL COMMUNICATION RECEPTION APPARATUS

RECEIVED

Group Art Unit: 2633 FEB 27 2002

Examiner: unknown Technology Center 2600

Attorney Dkt. No.: SON-2234

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

February 22, 2002

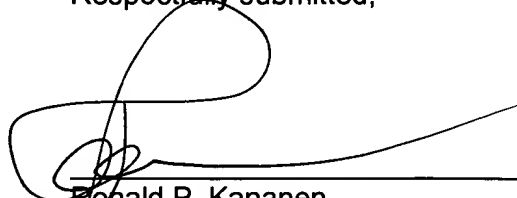
Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information item(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item(s) is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date or the date of filing a CPA, OR (b) before the mailing date of a first Office Action on the merits in the present application, or (c) accompanies a Request for Continued Examination. No certification or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).
- ☐ c. A check in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.

- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).
- ☒ 4. The reference(s) was/were cited in a counterpart foreign application. An English language version of the European or International Search Report is attached for the Examiner's information.
- ☒ 5. In the event any fees are due with this paper, please charge our Deposit Account No. 18-0013.

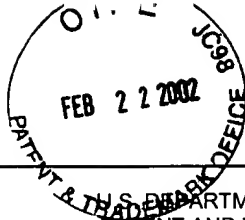
Respectfully submitted,


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Feb. 22, 2004

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RPK/ldd
1 European Search Report
5 References



Sheet 1 of 4

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| FORM PTO-1449 LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. SON-2234 | SERIAL NO. 09/978,058 |
| | | APPLICANT Toru TAKESHITA et al. | |
| | | FILING DATE October 17, 2001 | GROUP 2633 |
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
|---------------------|----|-----------------|------|-----------|-------|---------------|----------------|
| | AA | 6,081,572 | 6/00 | FILIP | | | |
| | AB | 5,889,828 | 3/99 | MIYASHITA | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |

RECEIVED**FEB 27 2002****Technology Center 2600****FOREIGN PATENT DOCUMENTS**

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES NO PART. | | |
|--|----|-----------------|------|---------|-------|---------------|-----------------------------|--|--|
| | AG | | | | | | | | |
| | AH | | | | | | | | |
| | AI | | | | | | | | |
| | AJ | | | | | | | | |
| | AK | | | | | | | | |
| | AL | | | | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|---|
| | AM | Hui Wang and Richard Nottenburg: XP-000862367; A 1Gb/s CMOS Clock and Data Recovery Circuit; dated February 1999, Vol.42, pages 354-355. |
| | AN | Hui Wang and Richard Nottenburg: A CMOS Low-jitter Phase Frequency Detector for Giga-bit/s Clock Recovery; dated July 1999; pages 91-93. |
| | AO | T.H. Toifl and P. Moreira: Simple frequency detect or circuit for biphase and NRZ clock recovery; dated October 1, 1998 Vol. 34, No. 20; pages 1922-1923. |

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|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.